

PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE



Jodhpur State, Rajputana,

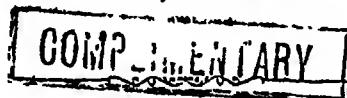
FOR THE YEAR 1892-93.

BY

PANDIT GOKAL DAS,

Superintendent of Forest Department.

With a Review by Maharaj Dhiraj Col. Sir Pratap Singh, K. C. S. I.,
Musahib Ala, State Marwar.



JODHPUR:

PRINTED AT THE "MARWAR STATE" PRESS.

1893.

Forest (1893.) Department.

MARWAR.

NO. 120 OF 1893-94.

FROM

PANDIT GOKAL DAS,

SUPERINTENDENT OF FORESTS,

Marwar.

To

THE MUSAHIB-ALA,

Marwar,

THROUGH PANDIT SUKHDEO PARSHAD, B.A.,

JUDICIAL SECRETARY.

Dated Jodhpur, the 10th October 1893.

Sir,

I have the honor to submit the Progress Report of Forest Administration in the Marwar State for the year 1892-93.

I have the honor to be,

Sir,

Your most obedient servant,

GOKAL DAS,

Superintendent of Forests,
MARWAR.

REVIEW BY THE MUSAHIB ALA.

Dated, Jodhpur, 11th October, 1893.

1. *Area.*—The actual decrease in the area is 1,280 acres caused by adjusting Boundary Lines to meet the legitimate demands of the villagers. Although 9,240 acres in the vicinity of Jodhpur city have been transferred to Shikarkhana for preserving games yet Forest Conservancy Rules will be observed there.

2. *Boundaries.*—Pillars were kept in proper repairs. As the Surveying Staff was engaged in finishing off Settlement maps it could not be spared. The Assistant Settlement Officer has been ordered to take up the work immediately and to depute a Superintendent specially to look to it.

3. *Forest Law.*—Owing to the after effects of famine the newly passed Forest Act was not brought into force. Graver offences were made punishable under Marwar Penal Code and their number came up to 28. This increase is due to the stricter observance of the Reporting Rule.

4. *Forest Fires.*—Smaller area was destroyed by fire during the year under Report than in 1891-92. 940 acres were burnt.

5. *Grazing.*—It has not been a chief source of income as this year was one of plenty and hence few villagers resorted to Forest to graze their cattle.

6. *Fencing.*—Fencing was made wherever required for the protection of the plantations.

7. *Arboriculture.*—Two more plantations were added at Jodhpur and the expenditure increased by Rs. 3,250.

8. *Produce.*—There has been an appreciable increase in the produce of timber and firewood which shows that the forest was well looked after by the present Superintendent.

9. *Finance.*—There is shown a sudden decrease but it is rightly explained by the present Superintendent whose mode of calculation is founded on a sound basis.

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PROGRESS REPORT
OF
FOREST ADMINISTRATION
IN THE
MARWAR STATE
FOR
1892-93.

Introduction.

1. The Department was under the direct control of the Musahib Ala, Colonel Sir Pratap Singh, K. C. S. I., for the whole of the year under report.

2. Lala Daulat Ram Bimbhat, who started Forest conservancy in Marwar in 1888, was called back to the Punjab, on promotion to the grade of Extra Assistant Conservator of Forests and the writer of this report, who obtained his Ranger's certificate in December 1884, was transferred from the Punjab in Lala Daulat Ram's stead.

Inspection.

3. Colonel Abbot, the Resident, Western Rajputana States inspected the Forests, their boundaries and fire-lines from Nana to Desuri and offered some very valuable suggestions regarding the settlement of rights. These suggestions are now being carried out.

CHAPTER I.

Area and boundaries.

Area.

4. The area of the Forests decreased by 10,520 acres during the

year as is shown by the statement below:—

State.	Forest Range.	Area in acres on 1st April 1892.	Additions during the year.	Excluded or transferred to other heads.	Area in acres at end of the year.	REMARKS.
Marwar.	Godwar ...	135,010	...	1,280	1,33,760	By adjusting boundary line.
	Sojat ...	46,720	...	...	46,720	
	Jodhpur ...	9,240	...	9,240	...	By transfer to Shikarkhana Department.
	Total ...	1,91,000	...	10,520	1,80,480	

5. The area is likely to undergo a further decrease as soon as all the cultivations inside forests are surveyed and the boundary line adjusted, surveyed and plotted on to one inch G. T. S. maps (no other maps being yet available). This could not have been attempted up to this owing to many difficulties experienced in taking over these forests and to the weakness of the staff.

6. The remarks made in para 16 of last year's report, about Raipur forests still hold good.

7. All the existing pillars from Nana to Depawas were kept in repairs, no new pillars were made.

Boundaries.

8. No action appears to have been taken on the remarks made in para 22 of last year's report about the marking of Forest boundaries on the Land Revenue settlement maps.

CHAPTER III.

Surveys and Working Plans and Annual Plans of operations.

9. No surveys were undertaken during the year.

Surveys.

Maps.

10. The Forest Rangers made tracings of village maps, mentioned in para 27 of last year's Report, for their own use.

Working Plans.

11. None were attempted for reasons already recorded in last year's Report.

Annual Plan of operations.

12. A plan of operations for the year was prepared by Range officers and acted upon.

CHAPTER III.*Protection and improvement.***Establishment.**

13. The staff of the Forest Department stood as follows at the close of the year :—

Forest Conservancy Establishment.

- 1 Superintendent.
- 3 Forest Rangers.
- 1 Head guard.
- 30 Forest guards.
- 1 English clerk.
- 1 Head office Munshi.
- 2 Range Munshis.
- 2 Peons.
- 2 Khalasis.
- 16 Jamiat Sawar (for Dak.)

Arboriculture Establishment.

- 1 Forester.
- 1 Forest guard.
- 12 Malis.
- 22 Camel men (Bhishtis.)

Controlling Staff.

14. Lala Daulat Ram Bimbhat held charge of the Department till 10th February 1893 when he was relieved by Pandit Gokal Dass from the Punjab.

Executive Staff.

15. Forest Ranger Lala Gokal Chand continued to hold charge of the Godwar Range till 25th September 1892 when as proposed in para 37 of last year's

report the Forests were divided into three Ranges and put under the charge of 3 Rangers as follows :—

RANGE.	FOREST RANGER.
Northern Godwar ...	Lala Daulat Ram.
Southern Godwar ...	„ Gokalchand.
Sojat	„ Jagannath.

16. Lala Daulat Ram, who was trained in the Forester's class at Dehra Dun, by the Durbar reported his arrival after passing the final examination on 24th April 1892 and after 5 months apprenticeship was put incharge of Northern Godwar Range.

17. All the Rangers have worked satisfactorily during the year.

18. Forester Basant Ram incharge of Jodhpur Sub-Range was dismissed as his accounts were found to be unsatisfactory.

19. Lila Daya Chand was appointed Forester on Rs. 20 per mensem, on 15th February 1893 in place of Basant Ram dismissed.

20. One more post of a head guard was abolished during the year.

21. The pay of the Forest guards ranged from 5 to 6 generally during the year. There was one guard on Rs. 7, one on Rs. 8 and one head guard on Rs. 12 per mensem.

22. Steps have now been taken to effect improvements in their pay. During the year 15 guards were dismissed and 4 resigned.

23. The office clerk Manshi Dasu Ram continues to do his work in a most satisfactory manner.

Protection Staff.

Office Establishment.

24. Munshi Roop Narain the head Munshi is an excellent hand. He can copy English letters very neatly, he knows both Urdu and Hindi. Both he and the clerk have been recommended for promotion.

25. One more Munshi was entertained for Northern Godwar Range on Rs. 10 per mensem.

26. Office work is daily increasing with the development of the Forest Department, so an assistant Munshi will have to be appointed in the head office.

General protection and breaches of the Law.

27. The code of Forest Laws mentioned in para 47 of last year's report could not be brought into force owing to the Famine and its subsequent results. As usual, forest cases were dealt with under the provisions of the Marwar Criminal Code.

28. The statement of cases tried by the Hakims is given below:—

Description.	NUMBER OF OFFENCES.		Remarks.
	1891-92.	1892-93.	
Injury to Forest by fire ...	1	1	
Illicit wood and grass cutting,	2	16	
Grazing without permission ...	8	2	
Other offences ...	4	9	
Total ...	15	28	

29. Thus there were 13 cases more than previous year. The increase in illicit wood and grass cutting cases is chiefly due to the exertions of the protective establishment.

30. 8 cases were pending from previous years, 29 were instituted during the year making a total of 36. Of these 24 involving 44 persons were decided during the year 12 were still pending.

31. Convictions were obtained in 20 cases involving 34 persons.

The Grasias, Minas and Bhils still continue to give a great deal of trouble, but as special concessions have been proposed for the criminal tribes, it is hoped that they will learn to abide by Forest Regulations.

32. The following statement shows cases compounded by the Superintendent of Forests compared with 1891-92.

Compensations.

Range.	CASES COMPOUNDED.				Average per case.	Average per person.	REMARKS.			
	Number of cases.	Number of Persons.	Amount.							
			Rs.	A. P.						
Godwar ...	83	258	484	10 3	5 13 5	1 19 1				
Sojat ...	192	334	475	14 6	2 7 8	1 6 10				
Total ...	275	592	960	8 9	3 7 11	1 10 0				
1891-92...	232	605	895	12 0	3 13 9	1 7 8				

33. It is perhaps no secret that the Forest Department in Marwar is yet in its infancy, hence every effort is taken to make its objects known to the population and great deal of leniency is shown to cultivators. Only such offenders are sent to courts, who commit serious offences and do so repeatedly.

34. A new cattle pound was opened at Vagol in Northern Godwar Range.

Cattle impounded.

35. The following statement shows the number of cattle impounded in comparison to previous year:—

Range.	DESCRIPTION OF CATTLE.				Total.
	Cows.	Buffaloes.	Sheep and goats.	Others.	
Godwar ...	938	125	3,108	168	4,330
Sojat ...	277	67	853	20	1,226
Total ...	1,215	192	3,961	197	5,563
1891-92 ...	1,059	159	1,367	732	4,217

Forest Fires.

36. The area attempted in 1892-93 was 181,760 acres as compared with 191,060 in 1891-92. There were 7 occurrences of fire over 940 acres against 2 covering 1,244 acres in the previous year. The expenditure under this head (pay of fire watchers only) came to Rs. 138 against 57 in the previous year.

37. In Sewari forest fire came from Meywar and burnt an area of 840 acres.

38. In Joban and Mandigar fire came from Ghanerao (a private forest) and burnt an area of 70 acres.

39. In Northern Godwar there were 3 occurrences of fire over 20 acres, of which 2 were due to line-burning getting out of control and one to accident.

40. In Sojat Range there was one fire over 10 acres. The offenders were arrested on the spot, one was punished with an imprisonment of 2 months and the other for one month.

41. The main fire line between Meywar and Marwar and Merwara and Marwar was cut and burnt as usual by the right-holders of both sides.

42. The Mirpur-Jura, Ambet, and Jhilwara (all in Oodeypur) Jagirdars gave great deal of trouble in burning their lines. Notwithstanding several notices they did not send their men either to cut or to burn lines on their sides.

43. Several intermediate fire lines were also cut and burnt along the much frequented paths.

44. Owing to famine all the forests were open to grazing up to the commencement of the rainy season when they were closed. They were re-opened for grazing to the right-holders' cattle in February 1893.

45. Owing to copious rains during the monsoon months excellent crop of grass was produced outside the reserves and hence the villagers did not much avail of the forest grass. The revenue from this source has fallen for the same reason but it is not to be regretted as the less the forests are grazed over the better for them.

46. The following statement will show the number of cattle grazed in Marwar forests for the past two years:—

Range.	CATTLE.				Remarks.
	Right-holders.	Out-siders.	Tree.	Total.	
Godwar	2,861	21	2,100	4,983	
Sojat	1,430	...	835	2,285	
Total	4,291	24	2,935	7,270	
1891-92	9,616	1,086	3,262	13,964	

47. The decrease in the number of cattle is explained by the fact of there

Grazing.

Grass.

being no scarcity of fodder after the setting in of the rainy season.

Fodder Grass.

48. 1,190 maunds of grass cut in 1891-92 were despatched to Jodhpur during the year for the Sardar Rasala horses. Owing to the timely rains there was an exceptionally good crop of grass in all the forests. Right-holders cut very little of grass and even non-right-holders refused to cut grass at $\frac{1}{4}$ th share, that is, giving one share to the Department and taking three to themselves. Proposals to cut and stack it departmentally, for future use, were not sanctioned.

Fencing.

49. Fences of Sadri and Kajalbah nurseries were kept in repairs and no new fences were made.

50. Fences of Jodhpur plantations mentioned in para. 65 to 68 of last year's report belong to Arboriculture and will be mentioned separately.

Natural Reproduction.

51. It is reported to be very satisfactory in all the forests. Goria Dhow (a latifolia), Kantia Dhow (a pendula), Kalia Siris, Gol (Oxilina woodier) & Kalia Shisham (D. latifolia) seedlings are doing well.

52. Protection against fires and the strict exclusion of sheep, goats and camels is the only thing required in these forests to ensure successful natural reproduction. Horned cattle, of course, should also be kept out of areas coppiced for re-generation.

53. The results of past five years' protection are visible at a glance when one looks at forests outside the reserves. Jagirdars who would never agree to forest conservancy being started in Marwar have begun to appreciate the advantages of protection.

54. There is nothing to be added to or subtracted from the remarks made in last year's report about the Grasias and their cattle with the exception, that they have paid or consented to pay compensation for unauthorized wood cutting and breaking up land for cultivations, so it is hoped that they will gradually learn to abide by forest laws. They are not criminal tribes but appear to be aborigines and naturally clamour against any interference with their long established independence.

55. Coppice operations in Marwar forests are yet in an experimental stage.

Few patches coppiced in Godwar and Sojat Ranges were not properly fenced. So the measurements are not very reliable as several shoots have been eaten by cattle. On the whole results are very encouraging.

Reproduction by Coppice shoots.

56. At Saran last year's Dhowkumtia (Acacia) and Khair shoots have attained a height of 2' 3" to 3' 3".

57. In Sadhri forest the work stopped with the completion of the Bandha as there was no demand for fuel. Following are the measurements of some of coppice shoots taken in Sadhri forest:—

Number.	Species.	MEASUREMENTS.				REMARKS.
		One year old.	Two years old.	Three years old.	Four years old.	
1	Dhow ...	1' 4"	2'	2' 3"	2' 11"	
2	Khair ...	2' 8"	3' 5"	4' 3"	4' 9"	
3	Adra ...	2' 6"	3' 2"	4' 8"	6' 2"	
4	Kumtia ...	2' 9"	3' 11"	5' 7"	6' 1"	
5	Bor ...	3	6' 9"	9' 3"	11' 9"	

58. Coppice operations were going on in Desuri forest when the year closed.

**Artificial Reproduction
sowing and planting.**

59. Sowings were made in several forests to fill up blanks with different kinds of seeds with various results.

60. Babul and Nim seed was sown in 2,290 pits one foot deep in Siryari, Saran, Kantalia, Gudha, Khoria, Vagol and Jujawar forests. Babul germinated well, about $\frac{1}{3}$ rd of Nim also germinated but all the seedlings of both Babul and Nim died for want of water after a couple of months. Bamboo, Mohwa, Shisham and Sain seeds were sown in several forests with the same results as above. Bamboo seed did not germinate at all.

Nurseries and plantations.

61. In Sojat Range there are two nurseries, both covering an area of $\frac{1}{4}$ th of an acre. They are not required to fill up any blanks, so, in future they are to be treated as plantations. Following is the number of species in both of these nurseries.

Jaman	...	41
Jinja	...	46
Babul	...	285
Gunda	...	24
Bamboos	...	54 { raised from rhizomes.
Nim	...	94

62. Some abandoned fields near Ranpur temple were filled up with plants from the Sadhri nursery. This nursery is also not required any longer. It, in reality, is a sort of plantation covering an area of 2 acres and having following plants in it:—

Number.	SPECIES.	Height.	Girth.	Total number of plants.	REMARKS.
Under					
1	Sissu	8"	2"	264	One year old 1892-93.
2	Mahura	5"	"	296	" "
	Jaman	9"	"	262	" "
	Tun	4"	"	5	" "
5	Tibiu	6"	"	149	" "
6	Khair	6"	"	9	" "
7	Darain	9"	"	9	" "
8	Sain	8"	"	12	" "
9	Walaiti Babul	21'	11"	90	Sown in 1889-90
10	Sissu	17'	1'4"	447	
11	Siris	3'6"	1'5"	61	Sown in 1891-92
12	Pateng	8'	1"	10	" "
13	Sain	8'9"	7"	193	" "
14	Tun	14'6"	7" $\frac{1}{2}$	107	
15	Jiapota	4'	4"	19	
16	Mahura	3"	2"	441	
17	Sharifa	3"	1"	7	
18	Jaman	2'	1'2	832	
19	Sanatha	13'	2"3	3,140	
20	Nim	10'	3"5	120	
21	Kanaj	2'0"	1"	233	
22	Sandal wood	10'6"	5"5	2	1890-90
23	Bamboos	20'	3"	9	Sown in 1891-92
24	Nimbu	1'0"	1"	1	1892-93

63. In Shiryari, Saran, and Kantalia forests 110 bamboo rhyzomes were tried. 90 of these are doing well and are about 8 to 9 feet in height. This will in future, be tried on a larger scale.

Bamboo Rhyzomes.

Plantations at Jodhpore.

Arboriculture.

64. At the commencement of the year there were 4 plantations covering an area of 61 acres and having 8,250 plants of the following species:—

Nim	5,310	8,250
Shisham	...	...	1,510
Babul	...	...	723
Tun	...	...	102
Date palm	...	...	17
Other species	...	...	588

65. Two more plantations covering an area of 20 acres with 1,620 Nim and Shisham plants were added during the year under report.

66. 225 Shisham and Nim plants were transplanted along the circular road and 800 from Ratanada to Major Beatson's house, 600 into the Residency building compounds.

67. 1,500 Shisham and Nim plants were given gratis to the residents of the town for planting in their own compounds.

68. 50 Shisham, Nim, Mango and Jaiman plants were planted at the top of the Bada-Bhaker hill (six miles from Jodhpur).

69. The Musahib Ala personally takes great interest in tree planting and his example is being earnestly followed by proprietors of waste lands.

Fencing of plantations.

70. 1,913 new golras were made for the protection of the road side plants.

71. 41,600 cft. of ditch were made round new plantation No. 6. The new plantations No. 5 and 6 and all the golras along the roads were fenced by thorns.

72. Fences of old plantations were kept in repair.

73. A new nursery was started at the Forest Department well. 44,736 cft. of ditch were made round it. A portion of it was also fenced. Sissu, Nim and Siris were the oily seeds sown in this nursery.

74. A parea banda (stones only) was made to collect rain water for watering the plants at the top of the hill, but owing to rush of water the banda gave way and had to be repaired subsequently. After this there was no rain and it could not be seen whether it was sufficiently strong to stop water.

75. About a mile of a foot path was also made to the top of the hill but it was also washed away.

76. Fifty pits (6' deep and 6' diameter) were cut up (there was nothing but rock) and filled with earth brought from other places. Shisham, Nim, Am, Jaman, Pipal and Badla plants were put into them. All the plants are in a flourishing condition.

77. Stone golras were made round all the plants as a protection against pigs and deer. Each golra cost about Rs. 6 and each pit Rs. 7.

78. Shisham is the only exotic which has established itself well. Then comes Tun which is still struggling hard for existence.

79. 1,160 maunds of grass were cut from the Jodhpur plantations and stacked for use of the Raj bullocks.

80. Rs. 15 were realized by sale of Bor fruit sold from plantation No. I and Rs. 150 as compensation for damage done to trees.

Reboisement operations at Boda Bhakur.

Exotics.

Yield from plantations.

Revenue from plantations.

Expenditure on plantations.

S1. The expenditure stood as follows:—

	Rs.
Protective establishment	... 153
Watering	... ... 3,537
Malis	... ... 703
Feed and keep of bullocks	... 537
Temporary establishment	... 352
Planting	... ... 308
Fencing	... ... 998
Tools	... ... 11
Bada Bhakar reboisment	... 1,615
Miscellaneous	... ... 125
Total	8,839

that is Rs. 3,250 more than 1891-92. Increase is due to Bada Bhakar bunda and the addition of a new nursery and 2 plantations.

Communications and Buildings.**Roads and Bridges.**

S2. Nothing was done.

Buildings.

S3. Sewari cattle pound was repaired at a nominal cost of Rs. 3-10.

CHAPTER IV.*Yield and working.***Summary of Forest Produce removed during the year.**

S4. For details see Form No. 54 and 55 attached to the report.

Timber and fuel.

DESCRIPTION.	TIMBER.		FIRE WOOD.		REMARKS.
	1891-92.	1892-93.	1891-92.	1892-93.	
	cft.	cft.	cft.	cft.	
Removed by Raj Agency ...	9,552	.....	8,000	.....
,, „ Purchasers ...	14,000	17,350	152,844	17,608	
Free grants	1,100	9,917	118,000	292,493	
Right-holders	3,460	8,766	.....	1,560	
Total cubic feet ...	28,112	36,033	278,844	311,661	

85. The money value of the minor Forest Produce is given below:—

Minor Produce.

DESCRIPTION.	1891-92.	1892-93.	REMARKS.
Removed by Raj Agency ...	14,322	9	
,, „ Purchasers ...	5,372	925	
Free grants	21,006	2,408	
Right-holders	2,439	1,064	
Total ...	43,189	4,406	

86. Whatever is given to the Right-holders without payment is treated as a free grant, while in reality no free grants were made during the year.

Departmental operations.

87. Neither timber nor fuel were removed by Raj Agency during the year. Only Mphwā worth Rs. 9.6-0 was collected and disposed of.

(C).—**Bamboos.**

91. Twelve thousand, six hundred and sixteen Bamboos were removed from the following forests :—

Minor Produce.

Name of Forest.	No.	AMOUNT.			REMARKS.
		Rs.	A.	P.	
Nana	...	194	4	6	0
Behra	...	206	4	10	0
Bijapur	...	3,421	77	5	0
Sewari	...	1,083	24	6	0
Latara	...	657	14	15	3
Sadhri	...	1,349	30	6	6
Desuri	...	1,440	32	9	9
Ganthi	...	144	3	4	3
Vngol	...	2,852	64	11	6
Kot	...	494	11	2	0
Bansor	...	500	11	4	0
Jnjawar	...	217	4	15	0
Kantalia	...	50	1	2	0
Total	...	12,616	285	2	0

(D).—**Grass and Grazing.**

92. Rs. 113 were realized as value of grass and Rs. 46 as grazing revenue making a total of Rs. 159 against Rs. 3,621 in 1891-92. Owing to timely rains of 1892-93 enough grass was produced out side the forests and hence decrease under this head.

(E).—Minor Produce.

Description.	1891-92.		REMARKS.
	Rs.	Rs.	
Pala	324	.....
Mohya	113	145	
Palas leaves	43	.....
Khaka	544	198	
Honey and wax	182	109	
Mangoes	4	.....
Moha	17	.....
Sinias	22	.....
Kair	4	.....
Akra	3	.....
Ber	10	.....
Miscellaneous	126	20	
Total ...	1,392	481	

93. There are two main causes of decrease under this head, that is, there was no scarcity of fodder after the rains had set in July 1892 and that the Jodhpur forests which supplied pala and grass, were made over to the Sikarkhana Department.

III.—Free Grants.

94. The following statement will show free grants made to Right-holders :—

Description.	ESTIMATED VALUE.		REMARKS.
	1891-92.	1892-93.	
Timber	400	568	
Fuel	1,844	4,765	
Grass ... ...	.....	1,509	
Frazing	18,643	574	
Other produce	2,210	325	
Total ...	23,097	7,741	

95. There again the decrease in grass and grazing is due to the same cause as stated in para 92. There is an increase in the supply of bamboos and fuel chiefly due to better accounts being kept than in previous year.

IV.—Right-holders.

(a) TIMBER.

96. Right-holders of the B. and C. class villages were supplied with 7,693 cft. of timber for agricultural purposes and they had to pay Rs. 906 as their well dues. Of this sum Rs. 812-8-0 were actually realized during the year.

97. One thousand and seventy-three cubic feet of different sorts of timber were given to non-cultivators of B. and C. villages for Rs. 248-2-9 realized during the year.

(b) FUEL.

98. 390 maunds of firewood were given to C. class villages at reduced rates for Rs. 16-14-0 realized during the year.

(c) GRASS AND GRAZING.

99. B. class villages pay nothing for grass but 546 maunds of grass were supplied to C. class villages for Rs. 57-14-0 which were realized during the year.

100. 4,291 heads of cattle belonging to the right-holders were admitted into the forests and Rs. 975-5-0 were charged from them at reduced rates. Of this sum Rs. 972-6-0 were actually realized during the year under report. Rs. 27 were realized for Mohya grass.

(d) BAMBOOS.

101. 272 bamboos were sold to the right-holders at reduced rates for Rs. 4-2-0.

CHAPTER V.

Financial Results.

102. The following table compares the financial results of the year with those of preceding three years :—

Particulars.	1889-90.	1890-91.	1891-92.	1892-93.	REMARKS.
Receipts ...	5,399	20,918	30,754	9,691	Actual revenue realized during the year being Rs. 29,807 from Forests and Rs. 65 from plantations.
Charges ...	7,053	10,692	15,975	11,223	
Deficit ...	2,254	.....	.....	1,532
Surplus ...	.....	10,226	14,770	.....

103. The sudden decrease in revenue is due to the fact that the Jodhpur Sub-Range forests which alone brought a revenue of Rs. 7,000 in 1891-92 have been transferred to the Shikarkhana Department and the past year's figures included not only the outstanding of revenue but the value of saleable stock also as revenue.

104. During 1890-91 and 1891-92 fuel was being supplied to Sadhri banda and grass to the Sardar Rasala horses while both of these revenue swelling works were stopped during the year under report.

105. Keeping the above facts in view the financial results of the year are quite satisfactory.

106. The expenditure is Rs. 4,752 less than the previous year.

Particulars.	1891-92.	1892-93.	Plus or Minus.
A. Conservancy and works ...	6,829	805	-6,024
B. Establishment...	9,146	10,418	+2,272
Total ...	15,975	11,223	

107. The fall in revenue accounts for decrease in A. conservancy and works.

108. B! Establishment shows an increase of Rs. 2,272 as follows:—

- (a) Addition of one Ranger on Rs. 40 per mensem.
- (b) Travelling allowance of the above ranger at about Rs. 20 per mensem.
- (c) Addition of one Hindi writer for the third Ranger at Rs. 10 per mensem.
- (d) Increased pay and travelling allowance of Lala Daulat Ram, late Superintendent of Forests by Rs. 70 per mensem.
- (e) Increase in travelling allowance of the Superintendent and his subordinates.

109. The receipts and charges for the past three years compare as follows under the three main heads:—

Year.	Timber and other Departmental operations.		Other revenue.		Formation protection and improvement of Forest.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.	
1891-92	2,501	5,328	11,857	9,908	739	14,358	15,975	
1892-93	2,136	741	7,555	10,418	64	9,691	11,223	

(23.)

110. The following returns accompany the Report:—

Form	No.
„ „	49
„ „	50
„ „	51
„ „	52
„ „	54
„ „	55
„ „	56
„ „	58
„ „	59
„ „	60
„ „	61
„ „	62

ANNUAL FORM NO. 49.

Forest Department, Marwar State. Area of the Forest 1892-93.

State.	Range.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 1st April 1893.		No. and date of Kaffyat of addition or transfer.	REMARKS.
		Areas.	Equivalent in square miles.			Arens.	Equivalent in square miles.		
Marwar ...	Godhwar ...	1,35,040	211	...	1,280	1,33,760	209	By adjustment of boundary line.	...
	Sojat ...	46,720	73	...	...	46,720	73		
	Jodhpur ...	9,240	14	...	9,240	...	...	By transfer to Shikar Khana Department.	...
Total ...		1,91,000	298	...	10,520	1,80,480	282		

ANNUAL FORM NO. 50.

Forest Department, Marwar State. Register of Breaches of Forest Rules during 1892-93.

FOREST RANGE AND CIVIL PARGANA.	Cases pending from 1891-92.	NEW CASES OF THE YEAR.			DISPOSED OF DURING THE YEAR.					Cases pending at close of the year. (25)
		Convictions.	Acquittals.	Cases.	Cases.	Persons.	Cases.	Persons.	Total.	
A.—CASES TRIED BY H.A.—KIMS—										
Godhwar	...	4	...	10	1	12	16	5	11	4
Sojat	...	4	1	6	1	8	16	20	15	23
Total	...	8	1	16	2	9	28	36	20	34
B.—CASES COMPIRED BY FOREST OFFICIALS—										
Godhwar	1	47	31	4	83	83	258	...
Sojat	116	70	6	192	192	334	...
Jodhpur
Total	1	163	101	10	275	275	592	...
GRAND TOTAL	...	8	2	179	103	19	303	311	626	4
									299	12

ANNUAL FORM NO. 51.

Forest Department, Marwar State. Area of Forest Tracts protected from fire during the dry season 1893 to accompany Report for 1892-93.

(26)

RANGE.	FOREST TRACTS.	Year in which protection commenced.	DURING DRY SEASON OF 1893.			COST DURING THE SEASON.	REMARKS.
			Area actually protected up to 15th June 1892.	Area attempted to be protected.	Failures.		
Godhwar	Sevari Block	1891	1,12,636	1,13,920	910	1,13,010	138
	Desuri Do.	1891	21,120	19,840	20	19,820	
Sojat	Kuntalia Do.	....	46,720	46,720	10	46,710	....
Jodhpur	Jodhpur Do.	1889	9,240	....	...	....	Transfer of Sikarkhana Department.
	Total ...		1,89,716	1,80,480	940	1,79,540	133

ANNUAL FORM NO. 52.

Forest Department, Marwar State. Area of Plantations.

Range.	Name of Plantation.	AREA IN ACRES.			RECEIPTS	CHARGES	REMARKS.
		On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 31st March 1893.	of the year.	
Godhwar	Sadri	2	...	...	2	...	22
Jodhpur	Plantation No. 1 to 7	61	20	...	81	165	6,724 Two Plantations added also in this year.
	Total ...	63	20	...	83	165	6,746

ANNUAL FORM NO. 54.

Forest Department, Marwar State. Outturn (in cubic feet solid) of Timber and fuel during the year 1892-93 and Agency of Exploitation.

ANNUAL FORM NO. 55.

Forest Department, Marwar State. Outturn of Minor Forest produce during the year 1892-93.

(29)

Range.	Description of produce.	PRODUCE REMOVED OR UTILIZED.										REMARKS.	
		RAJ AGENCY.		PURCHASERS.		FREE GRANTS.		RIGHT-HOLDERS.		TOTAL.			
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
	(Bamboos (No.)	...	...	...	12,363	281	...	...	275	5	12,343	289	
	Grass (mounds)	...	...	...	1,231	113	20,000	1,281	516	53	30,750	1,452	
	Grazing (cattle)	...	...	...	...	165	46	2,100	415	2,861	635	5,125	1,006
	Moya (Head lands)	...	...	...	...	1,450	115	...	...	279	27	1,729	172
Godhwar	do.	...	...	...	...	4,460	139	...	...	...	...	4,460	139
	Khaka	...	...	...	...	...	...	...	...	...	...	...	...
	Mohra (mounds)	...	...	6	9	...	...	...	...	...	...	6	9
	Honey and Wax	...	...	...	...	...	...	109	...	...	...	...	109
	Miscellaneous	...	...	...	...	...	3	...	200	...	...	...	203
	(Bamboos (No.)	...	...	...	...	50	1	...	...	...	...	50	1
	Grass (mounds)	...	...	...	...	...	...	7,300	223	...	...	7,300	223
	Grazing (cattle)	...	...	...	...	...	855	159	1,430	339	2,295	498	
Sojat	do.	...	...	...	...	1,870	59	1,000	125	...	...	5,370	184
	Khaka (Head lands)	...	...	...	...	...	26	...	...	...	...	...	26
	Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...
	Total	...	6	9	21,803	925	43,255	2,408	6,391	1,061	70,455	4,406	

ANNUAL FORM NO. 56.

Forest Department, Marwar.—Account of Timber and other Produce cut or collected by Raj Agency and brought to sale depots or sold locally during the year 1892-93.

RECEIPTS—

gross receipts.
Godswar Range.

ANNUAL FORM NO. 56.—(Continued.)

Forest Department, Mysore.—Account of Timber and other Produce cut or collected by Raj Agency and brought to sale depots or sold locally during the year 1892-93.

(32)

<i>Balance at close of the year.</i>		
Godhwar Range	...	2,500
Sojat Range	...	2,050
		4,550
Total balance	...	13,203
	GRAND TOTAL.	...
<i>Balance at commencement of the year.</i>		
Godhwar Range	...	2,569
Sojat Range	...	2,050
		4,550
Total balance	...	...
	GRAND TOTAL.	...
CHARRCOALS.		
DISPOSALS—		
I. True disposals.		278
Sold locally.		278
Sojat Range	...	...
Total true disposals		278
	Total disposals	...
<i>Balance at close of the year.</i>		
Sojat Range	...	246
		246
Total balance	...	...
	GRAND TOTAL	...
BAMBOOS.		
DISPOSALS—		
I. True disposals.		37
Sold locally.		330
Jodhpur sub-Range	...	1,350
Struck off on account of being damaged.	...	...
Godhwar Range	...	37
Total true disposals		1,387
	Total disposals	...
RECEIPTS—		
I. Gross receipts.		0

<i>Balance at commencement of the year.</i>		
Godhwar Range	...	37
Sojat Range	...	330
Jodhpur sub-Range	...	1,350
Total balance	...	1,717
	GRAND TOTAL	...
<i>Balance at close of the year.</i>		
Godhwar Range	...	...
Sojat Range	...	...
Jodhpur sub-Range	...	...
Total balance	...	...
	GRAND TOTAL	...
RECEIPTS—		
I. Gross receipts.		0

ANNUAL FORM NO. 56.—(Continued.)

Forest Department, Marwar.—Account of Timber and other Produce cut or collected by Raj Agency and brought to sale depots or sold locally during the year 1892-93.

PARTICULARS.		TOTAL OF EACH HEAD.		PARTICULARS.		TOTAL OF EACH HEAD.	
No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.	No. or quantity.	Cubic feet.
Godhwar Range	...	330	330	Sojat Range	...	330	330
Total cross receipts	...		330	Total cross disposals	...		330
Total receipts	...		330	Total disposals	...		330
GRAND TOTAL	...		2,017	<i>Balance at close of the year,</i> Godhwar Range	...		1,717
				Total balance	...	350	330
				GRAND TOTAL	...		2,017
MISCELLANEOUS.		DISPOSALS.—		I. True disposals.		...	
		I. Sold locally.		Godhwar Range		...	
		Grass		Grass		1,134	
		Sojat Range		Sojat Range		...	
		Jodhpur Range.		Grass		56	
		Grass		Jodhpur sub-Range.		...	
		Bithora		Bithora		...	
		Total balance		...		78	
		<i>Balance at commencement of the year.</i>		...		23	
		Godhwar Range.		...		...
		Grass		...		...
		Sojat Range		...		...
		Jodhpur Range.		...		...
		Grass		...		...
		Bithora		...		...
		Total balance		...		...

ANNUAL FORM NO. 58.

Forest Department, Marwar State.—Summary of Revenue of different Ranges of Marwar Forests during 1892-93.

(36)

BUDGET HEADS.		(Induwar Range		Sofat Range.		Jodhpur sub-Range.		Total.		Remarks.		
RECEIPTS.		Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	
<i>I.—Timber and other produce removed from the Forests by Royalty—</i>												
(a) Timber	471	7	51	1	...	496	5 0
(b) Firewood and charcoal	369	11	67	1	...	376	13 2
(c) Bamboos	15	5	15	5 0
(d) Grass and other minor produce	6,338	11	793	10	1,835	7 0	
<i>II.—Timber and other produce removed from the Forests by Purchasers or consumers—</i>												
(a) Timber	2,228	0	923	11	...	3,151	11 6
(b) Firewood and charcoal	4,102	11	82	1	...	4,273	9 3
(c) Ramboota	310	5	1	...	301	5 0	
(d) Grazing and Fodder grass	1,260	6	169	17	1,233	8 3	
(e) Other minor produce	422	8	97	10	3,713	11 5	
<i>III.—Confiscated drift and confiscated—</i>												
<i>IV.—Revenue from Forests not managed by Royalty—</i>												
(a) Duty on Foreign Timber and other Forest produce	
(b) Revenue from State and private Forests	
<i>V.—Miscellaneous—</i>												
(a) Fines and forfeitures	731	7	39	11 6	
(b) Refunds	1,332	12	3,191	3	9,512	7 9	
(c) Other sources	17,101	2	165	0 0	
TOTAL												
Arboriculture												
GRAND TOTAL												
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ANNUAL FORM NO. 52.—(Continued.)

Forest Department, Mysore State. Summary of Expenditure of different Ranges of Mysore Forests during 1892-93.

BUDGET HEADS.	DIRECTIONS.					Total.	REMARKS.
	Dhar.	Godhwar.	Sojat.	Iodhpur.			
A.—Conservancy and works.							
<i>I.—Timber and other produce restored for the Forests by Raj. Agency—</i>							
(a) Timber " "	...	...	...	...	...	...	0 0
(b) Firewood and charcoal "	...	...	...	...	...	...	0 0
(c) Bamboos "	...	...	...	...	...	...	0 0
(d) Grass and other minor produce "	...	...	...	...	...	...	0 0
<i>II.—Timber and other produce restored from the Forests by Purchasers or consumer—</i>							
<i>III.—Confiscated, drift and unsooed—</i>							
<i>IV.—Revenue from forests not managed by Raj—</i>							
(a) Duty on foreign timber and other forest produce	...	...	...	...	...	...
(b) Revenue from shared and private forests, ..	...	...	...	...	...	...
<i>V.—Rent of forest services and payment to share-holders in forests managed by Raj—</i>							
<i>VI.—Live stock, stores, tools and plants—</i>							
(a) Purchase of cattle "	...	...	...	...	...	...
(b) Feed and keep of cattle "	...	...	...	...	...	...
(c) Purchase of tools, stores and plants "	...	...	...	...	...	...
<i>VII.—Communications and building—</i>							
(a) Roads and bridges "	...	...	...	...	...	...
(b) Railings "	...	...	...	...	...	...
(c) Other works ..	...	...	...	...	...	...
<i>VIII.—Demarcation, improvement and extension of forests—</i>							
(a) Demarcation "	...	...	...	...	...	...
(b) Compensation of land and rights "	...	...	...	...	...	...
(c) Survey and working plans "	...	...	...	...	...	...
(d) Sowing and planting "	...	...	...	...	...	...
(e) Protection from fire "	...	...	...	...	...	...
(f) Other works ..	...	...	...	...	...	...
<i>IX.—Miscellaneous—</i>							
(a) Refunds "	...	...	...	...	...	...
(b) Law charges "	...	...	...	...	...	...
(c) Other charges ..	...	...	...	...	...	...
<i>Total A. Conservancy and works</i>	80	0 531	1 11 131	1 11 131	1 11 131	1 11 131	10 866

ANNUAL FORM NO. 58.—(Continued.)

Forest Department, Marwar State. Summary of expenditure of different Ranges of Marwar Forests during 1892-93.

Budget Heads.		Direction.		Gothwar.		Sujat.		Jodhpur.		Total.		REMARKS.	
B. Establishment.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—SALARIES—													
(a) Superior Establishment	2,591	10.3	...	...	...	...	...	...	2,571	10.6
(b) Executive Establishment	1,311	10.6
(c) Protective Establishment	2,111	0.0
(d) Office Establishment	1,655	4.1
(e) Pensions and Contribution	189	5.1
II.—TRAVELING ALLOWANCE—													
(a) Superior Establishment	1,415	2.1
(b) Executive Establishment	637	0.0
(c) Protective Establishment	2	0.0
(d) Office Establishment	211	0.0
(e) Keep and feed of conveyance supplied by Raj	283	14.0
III.—CONSUMABLES—													
(a) Stationary	15	5.2	6	7	2	16.4	...	...	51	15.6
(b) Carriage of rents and records	55	11.0	6	11	1	11.6	...	...	61	15.0
(c) Rents, Rates and Taxes	30	11.6	2	12	1	14.3	...	...	58	1.6
(d) Official postage	51	5.6	15	3	1	19.6	...	...	73	1.6
(e) Sundries	62	7.6	10	3	8	20.0	...	...	81	1.7
Total B. Establishment	5,769	2.1	2,450	11.7	1,641	1.8	1,63	0.8	10,118	1.0
Total of expenditure for A. Conservancy	5,80	3.0	531	11.1	1,311	1.5	1,02	0.2	8,339	3.0
Arboriculture
Grand Total	5,810	2.0	3,342	0.1	1,595	1.1	8,315	0.1	19,563	0.7

ANNUAL FORM NO. 59.
Forest Department, Marwar State. Account current for the year 1892-93.

CASH BALANCE		RS.		A. P.		RS.		A. P.		RS.		A. P.		RS.		A. P.	
Revenue as per annual summary Form No. 58		... 236		2 S		236		2 S		EXPENDITURE AS PER ANNUAL SUMMARY FORM NO. 58—		RS.		A. P.		RS.	
FOREST CASH REMITTANCES LOCAL—		... 29,982		13 5		29,982		13 5		Forest conservancy		... 11,224		9 7		... 19,563	
Forest cheques drawn		... 19,438		15 11		19,438		15 11		Arboriculture		... 8,339		0 0		... 29,974	
Advances recoverable		... 13,083		3 1		13,083		3 1		FOREST CASH REMITTANCES LOCAL—		... 13,155		0 3		... 13,155	
Total		... 62,731		3 1		... 38		6 7		Advances recoverable		... 29,974		2 8		... 38	
										Balance in hand		... 38		6 7		... 38	
												... 62,731		3 1			

ANNUAL FORM NO. 60.

Forest Department, Marwar State.—Revenue received and outstanding on account of Revenue during 1892-93.

Range.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realised during year.	Balance due to the Department at end of year.			REMARKS.
						Rs.	A. P.	Rs.	
Godhwar	....	10,703	15 7 434	1 3 18,138	0 10 17,104	2 5 1,197	8 6		
Sojat	....	876	1 0 2,415	7 7 3,291	8 7 3,191	3 3 185	11 0		
Jodhpur	....	10,805	14 7 23 15	9 10,829	14 4 9,512	7 9 256	1 0		
	Total ...	22,335	15 2 9,873	8 7 32,259	7 9 29,807	13 5 1,639	4 6		

40

Difference of Rs 312.5-10 in closing balance is due to Mahkma Khas altering the original sums in bills for forest produce supplied to Havala Khas.

ANNUAL FORM NO. 61.

Forest Department, Marwar State. Outstanding and liabilities on account of contractors and disbursers for 1892-93.

ANNUAL FORM NO. 62.

Forest Department, Marwar State.—Financial results of the year 1892-93.

(- 42 -)

RANGE.	TIMBER AND OTHER PRODUCT REMOVED FROM THE FORESTS BY R.A.F. AGENCY.		OTHER REVENUE.	Formation, protection and improvement of forests.	TOTAL.		REMARKS.
	Receipts.	Charges.			Receipts.	Charges.	
Godhwar	2,061	427	5,257	2,921	34	7,318	3,382
Sujat	76	51	2,271	1,713	28	2,349	1,795
Jodhpur	.....	63	21	143	.....	21	206
Total	2,136	541	7,555	4,777	62	9,691	5,383
Direction	.....	.....	.....	5,840	.....	.....	5,840
GRAND TOTAL	2,136	541	7,555	10,617	62	9,691	11,223

